

## N.1 Agreement signed between RRCAT and CERN on TL-2 of CTF-3

An agreement was signed between RRCAT, Indore and CERN, Switzerland under Novel Accelerator Technology Programme (NAT) for Compact Linear Collider (CLIC) Test Facility3 (CTF-3). This agreement was signed on October 19, 2007 at CERN by Dr. V.C. Sahni, Director, RRCAT and Dr. R. Aymar, Director General, CERN.



*Dr. V.C. Sahni, Director, RRCAT and Dr. R. Aymar, Director General, CERN, signing the agreement.*

Under this agreement, for CTF-3, complete physics design of transfer line-2 (TL-2), mechanical design of components, fabrication, vacuum testing, and supply to CERN will be responsibilities of RRCAT. Physics (optics) design of TL-2 has already been completed and approved by CERN.

TL-2 will consist of five dipole magnets (two will be long magnets and three will be short). Mechanical design of magnets has already been completed. Magnets are under various stages of construction. Five dipole vacuum chambers and 56 straight vacuum chambers (both, cylindrical and racetrack profile) will be fabricated. All vacuum chambers will be made from aluminium alloy 6061-T6. Design of vacuum chambers has been completed and are under fabrication.



*RRCAT delegation with CERN counterparts at the time of signing the agreement.*

## N.2 Director RRCAT signs MOU with SLAC, U.S.A.

Dr. V.C. Sahni, Director, RRCAT visited Stanford Linear Accelerator Centre (SLAC), U.S.A., with Fermilab's Dr. Shekhar Mishra and signed an agreement with SLAC Director Dr. Persis Drell.

The agreement is an addendum to a pre-existing Memorandum of Understanding between U.S. and Indian universities and accelerator centers that specifies collaborative activities on accelerator R&D and high energy physics projects. As a result of the addendum, SLAC and Indian institutions will work together to further develop a beam dump design and prototypes for the International Linear Collider (ILC). Additionally, Indian institutions will work with both SLAC and Fermilab to develop an ILC radio frequency unit.

The addendum specifies collaborative activities between SLAC and four Indian R&D centres : Raja Ramanna Center of Advanced Technology (RRCAT), Indore, Bhabha Atomic Research Centre (BARC), Mumbai, Variable Energy Cyclotron Centre (VECC), Kolkata and Inter University Accelerator Centre (IUAC), New Delhi.



*Dr. V.C. Sahni, Director, RRCAT, signs an agreement with Dr. Persis Drell, Director, SLAC.*

## N.3 Activities of the Women's Cell in RRCAT

Women's Cell of RRCAT has been actively engaged in the empowerment of women in the Centre. It has been organizing Women's Day function for last three years, as mark of celebration and for enhancing the communication amongst women employees of the Centre. Further in this direction, special efforts are being made to open an intranet / e-mail route of communication for women within RRCAT, as a confidence building measure.